

ENGINEERED PERFORMANCE. **RACE PROVEN.**



TEAM ORION

BRUSHLESS SYSTEMS

BATTERIES

CHARGERS

NITRO ENGINES

SERVO

ACCESSORIES

CARBON PRO
TEAM ORION 8000



WORLD CHAMPION
R/C PRODUCTS
SINCE 1987



2013

TEAM ORION: POWER OF QUALITY

Innovation is part of every Team Orion product. Matching batteries, revolutionizing the electric motor design with the V2 technology, providing Lipo batteries compatible with the market demands and bringing the CRF technology to nitro engines; Team Orion's goal is to develop products which are more attractive, have better performance and contained costs. World-wide success proves we are on the right track.

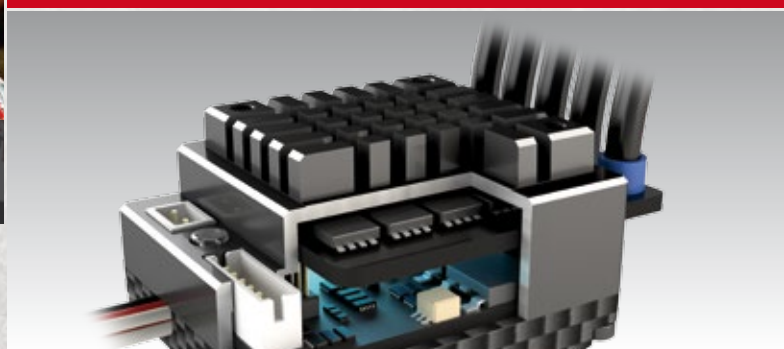


25 YEARS OF PASSION

In 1987, after returning from the world championships in USA, Philippe Neidhart began matching cells using LavCo battery testers. A new era had begun in the RC industry. Team Orion was born and quickly imposed itself as the battery specialist, winning several world championships. In 1997 Oscar Jansen joined the company and in 2007 it was Adrien Bertin. This further increases the technical know-how of the company and ensures that Team Orion remains at the peak of technology. Today, Team Orion is a multinational company and its products are synonym of performance, high quality standards and Swiss technology.



OFF-ROAD WORLD CHAMPION



INNOVATION

Team Orion has won numerous races around the world. Whether it's on-road or off-road, electric or nitro, we have a race winning product for you. Team Orion is always at the forefront of innovation and performance!

Team Orion Headquarters



Team Orion Website www.teamorion.com



Visit our www.teamorion.com website to learn about our latest product releases and get the latest news and racing results. Our Facebook fanpage already has more than 5000 fans!

Team Orion Video Channel



Want to know how Lipo batteries are made? Check out our youtube channel at www.youtube.com/teamorion.com.

WORLD CHAMPIONS



Jillies Groskamp conquered the touring car world championship using Team Orion ESC, motors, batteries and chargers!

ON-ROAD WORLD CHAMPION



Team Orion won both the 2011 and 2012 editions of the prestigious 1/8 off-road Neo race in the UK.



In 2012, Team Orion claimed 4 US national titles!

**MULTIPLE
2012 ROAR
NATIONAL CHAMPIONS**

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TEAM ORION ESC TECHNOLOGY



The Team Orion Vortex R ESC are high end brushless ESC equipped with the latest developments in brushless technology. The highly tunable software and the exclusive design offer both functionality and performance. Whether you race on-road or off-road, you will experience ultimate controllability when using one of our ESC.

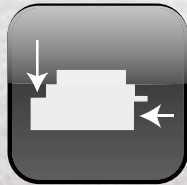


R10 Pro user
World Champion
Jilles Groskamp!

The World Champion ESC



Braking is as important as accelerating. We fine-tuned the software in order to give maximum brake power and controllability. This gives the R10 ESC an edge over the competition- Push Brake Technology.



The R10 racing ESC is equipped with two sensor ports. This offers multiple advantages: ideal sensor wire placement, better wire management and it also allows you to connect the DSB-R program box without having to disconnect any wires.



The Vortex R10 ESC can be programmed by using our ORI65150 DSB-R programming box. This allows for a wide array of tuning possibilities. You can regularly find software updates on our www.teamorion.com website.



We have chosen to make the top case out of milled aluminum to improve the cooling. The bottom case is still plastic to prevent glitching and other electronic disturbances.



Brushless ESC are not only about power, how easily you can control that power is also very important. Our software is specifically tuned to make the power manageable in all conditions.



The R10 ESC use the best components available today. Thanks to this, they are more efficient, better performing and more reliable!

- World Champion
- National Champion
- 4-times US national champion
- Machined aluminum case for improved cooling
- Low center of gravity
- High grade components for unparalleled performance
- Highly customizable and updatable state of the art software
- Dual sensor port for optimal sensor wire placement
- Works with sensor and sensorless motors
- On the fly switch from sensor to sensorless mode in case of sensor failure
- Forward/brake, forward/brake/reverse and forward/reverse (Crawler) function modes
- Works with up to 3S LiPo (65102-65109)
- Easy setup
- Status control by LED and audio tone
- Optional programming box and software available

HIGH-END BRUSHLESS 1/10 SCALE ESC'S



**1/10 & 1/12
RACING ESC**

**ADVANCED
CUSTOMISABLE
SOFTWARE**

**MACHINED
ALUMINUM CASE**

**SMOOTH
POWER
& BRAKE**

**WORLD
& NATIONAL
CHAMPION**

The Vortex R10 range of ESC has taken the world by storm! All over the planet, racers are praising its performance, smoothness and tunability. The new generation of ESC has arrived, delivered by Team Orion!

Top of the range



**Vortex R10 Pro 2-3S
ORI65102**

High performance ESC featuring the latest developments in ESC technology. Its advanced software and timing functions maximise performance. It can run both in forward and reverse and with sensor or sensorless motors, making it not only the best racing ESC, but also the best all-around ESC. Works with 2-3S LiPo.

For 1/12 scale



**Vortex R10 Pro 1-2S
ORI65101**

The Vortex R10 Pro 1-2S is designed for 1/12 scale racing. It is equipped with a booster to allow the use of 1S LiPo and ensure high performance. The aluminum case is also thinner, reducing weight and lowering the CG even further. Thanks to its advanced and highly customizable software, this ESC is sure to give you an edge over the competition.

For 0° timing racing



**Vortex R10 Race 2-3S (0°-Timing Class)
ORI65109**

The newcomer in the R10 PRO ESC range, designed for 0° timing racing. This ESC uses the same software as the other R10 Pro ESC, but the timing functions have been disabled. It also works with sensor and sensorless motors, 2-3S LiPo and has forward/reverse function making it ideal for all applications requiring a high quality ESC.

US Spec Stock ESC



**Vortex R10 Stock 2-3S (0°-Timing US spec Class)
ORI65120**

Based on our world champion R10 Pro ESC, the R10 Stock has been specifically designed for the "blinky" racing class. It offers the best that brushless ESC technology has to offer to give you an edge over the competition! High performance and smooth power control!

Specifications	Vortex R10 Pro 2-3S	Vortex R10 Pro 1-2S	Vortex R10 Race 2-3S (0°-Timing Class)	Vortex R10 Stock 2-3S (US Spec Blinky Class)
Rated current	160A/760A	120A/760A	90A/420A	90A/420A
Type	Sensor/Sensorless			
Function modes	Forward/Brake - Forward/Brake/Reverse - Forward/Reverse (Crawler)			
Timing boost	yes	yes	no	no
Motor type	2S: up to 2.5T, 3S up to 5.5T	1S: up to 3.5T, 2S up to 4.5T	2S: up to 5.5T, 3S up to 10.5T	Stock Motors
Battery	5-9Z NiMH/NiCd, 2-3S LiPo/LiFe	4-6Z NiMH/NiCd, 1-2S LiPo/LiFe	5-9Z NiMH/NiCd, 2-3S LiPo/LiFe	5-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	5.75V/3A, Linear	6V/2A, Booster	5.75V/3A, Linear	5.75V/3A, Linear
Size and weight	41.5x30.5x20.2mm, 44g	41.5x30.5x16.5mm, 40g	41.5x30.5x20.2mm, 43g	41.5x30.5x20.2mm, 43g

HIGH-END 1/8 BRUSHLESS ESC



**1/8 SCALE
RACING ESC**

**2-6S LIPO/LIFE
6-18 CELLS
NIMH/NICD**

**180A CONSTANT
950A MAX!**

**ADVANCED
CUSTOMISABLE
SETTINGS**

**SENSOR
AND SENSORLESS
MOTORS**

The Vortex R8 Pro is at the peak of 1/8 ESC technology, high power, high efficiency, advanced customizable settings, works with sensor and sensorless motors, US National champion, what else can you ask for?

2011 1/8 SCALE BUGGY AND TRUGGY NATIONAL CHAMPION



The Vortex R8 Pro Brushless ESC is designed for racers and those that want the best there is. It has a 950A peak current and advanced software that allows it to achieve max performance in all conditions.

Specifications	Vortex R8 Pro
Part#	ORI65105
Rated current	180A/950A peak
Type	Sensor/Sensorless
Resistance	0.0002 Ω
Function modes	Forward/Brake - Forward/Brake/Reverse Forward/Reverse (Crawler)
Motor type	4S: up to 3000KV, 6S up to 2400KV
Battery	6-18 NiMH/NiCd, 2-6S LiPo/LiFe
BEC	5.75V/3A, Linear
Size and weight	56x46.5x35mm, 105g

Features

- 1/8 Scale Buggy and Truggy US National Champion
- Robust carbon look plastic case with integrated cooling fan
- High grade components for unparalleled performance
- Highly customizable and updatable state of the art software
- Works with sensor and sensorless motors
- On the fly switch from sensor to sensorless mode in case of sensor failure
- Forward/brake, forward/brake/reverse and forward/reverse (Crawler) function modes
- Easy setup
- Status control by LED and audio tone
- Equipped with Deans high current connectors
- Works with up to 6S LiPo
- Optional DSB-R programming box available (ORI65150)

SENSORLESS ESC'S 100% WATERPROOF



NEW!



WATERPROOF

1/10 & 1/8
SENSORLESS
ESC

2-3S LIPO
OR
2-4S LIPO

HIGH PERFORMANCE

ADVANCED
CUSTOMISABLE
SETTINGS

OPTIONAL
ORI65150 PROGRAM
BOX AVAILABLE

Thanks to the new Team Orion waterproof electronics speed controllers you can run your car in any conditions and not have to worry about damage from water, snow or any other extreme conditions.

Vortex R10 Sport WP 45A



Vortex R10 Sport WP 45A - Deans
ORI65113

The Vortex R10 Sport WP 45A is a high-performance sensorless electronic speed controller for 1/10 scale on-road and off-road cars. Thanks to its proven technology and hardware this is the perfect choice for beginners using entry level cars. The Vortex R10 WP 45A can be used with LiPo batteries with 2 and 3 cells and motors up to 6000KV.

Vortex R10 Sport WP 60A



Vortex R10 Sport WP 60A - Deans
ORI65114

The Vortex R10 Sport WP 60A is a high-performance sensorless electronic speed controller for 1/10 scale on-road and off-road cars. This ESC uses proven technology and hardware making it the perfect choice for those which use higher performance RTR cars. It can be used with LiPo batteries with 2 and 3 cells and motors up to 6000KV.

Vortex R10 SC WP 100A



Vortex R10 SC WP 100A - Deans
ORI65115

The Vortex R10 SC WP is a high-performance sensorless electronic speed controller designed with monster and short course trucks in mind. This ESC uses proven technology and hardware making it the perfect choice for high-performance trucks. It can be used with LiPo batteries with 2 and 3 cells and motors up to 6000KV.

Vortex R8 WP 130A



Vortex R8 WP 130A - Deans
ORI65116

The Vortex R8 WP is a high-performance sensorless electronic speed controller designed for 1/8 scale cars. This ESC uses proven technology and hardware making it the perfect choice for high-performance 1/8 scale cars. The Vortex R8 WP can be used with LiPo batteries with 2 to 4 cells and motors up to 6000KV.

Specifications	Vortex R10 Sport WP 45A Deans	Vortex R10 Sport WP 60A Deans	Vortex R10SC WP Deans	Vortex R8 WP Deans
Rated current	45A/290A	60A/290A	100A / 520A	130A / 760A
Type	Sensorless			
Function modes	Forward/Brake - Forward/Brake/Reverse - Forward/Reverse (Crawler)			
Resistance	0.0012 ohm	0.0012 ohm	0.0007 ohm	0.0004 ohm
Motor type	2S LiPo: up to 6000KV (On-Road), up to 4000KV (Off-Road) 3S LiPo: up to 4000KV (On-Road), up to 2500KV (Off-Road)	2S LiPo: up to 6000KV (On-Road), up to 4000KV (Off-Road) 3S LiPo: up to 4000KV (On-Road), up to 2500KV (Off-Road)	2S LiPo: up to 6000KV 3S LiPo: up to 4000KV	2S LiPo: up to 6000KV 3S LiPo: up to 4000KV 4S LiPo: up to 3000KV
Battery	4-9Z NiMH/NiCd, 2-3S LiPo/LiFe	4-6Z NiMH/NiCd, 1-2S LiPo/LiFe	6-9Z NiMH/NiCd, 2-3S LiPo/LiFe	6-12Z NiMH/NiCd, 2-4S LiPo/LiFe
BEC	6V/3A	6V/3A	6V/3A	6V/3A
Size and weight	36x34x35mm, 75g	36x34x35mm, 75g	59.3x38.4x33.6mm, 110g	59.3x38.4x33.6mm, 110g

540 SIZE MODIFIED 1/10 VORTEX VST2 PRO

NEW!

DUAL SENSOR PORT



**1/10 SENSOR
BRUSHLESS
RACING MOTOR**

**OPTIMIZED
FOR 90C LIPO
TECHNOLOGY**

**FULLY
REBUILDABLE**

**DUAL
SENSOR
PORT**

**MODIFIED
VERSION**

**WORLD
CHAMPIONS**

The new VST2 motor features our latest developments in brushless technology. With the input of our world championship winning team we have designed our best motor to date. High performance and stability in all conditions.

The VST2 motor is a new generation of motor that is a big step up from our current designs. New technical solutions have been developed to improve, performance, stability and reliability. The motor uses high grade materials and is now equipped with two sensor ports, facilitating wire management.

Features

- 540 size motor for 1/10 scale cars
- 3.5T to 9.5T 2 pole
- 4000KV to 5200KV 4 pole
- Rebuildable 2 piece motor can design
- Adjustable timing
- Dual Sensor Port for better wire management
- Aluminum rear sensor cover
- Optimised sensor - rotor - stator positioning for improved efficiency and lower heat build-up
- New stack design for improved efficiency
- New cooling vent design for improved cooling
- Extra thick front plate for improved reliability and cooling
- Extra thick solder posts for improved connection
- New sensor holder design
- New winding connection plates design
- Comes with a rotor removal tool
- Available in 2 and 4 pole versions
- Designed in Switzerland

A new motor production line has been specifically put into place for the VST2 motors. Our R&D manager Oscar Jansen valuable input ensures that each motor is built with the highest quality standards.

Details

Weight	188g
Length	52.8 mm
Motor Diameter	35.8 mm
Shaft Length	15 mm
Shaft Diameter	3.175 mm
Sensor and sensorless	yes
Adjustable timing	yes



	2P 3.5T	2P 4.0T	2P 4.5T	2P 5.5T	2P 6.5T	2P 7.5T	2P 8.5T	2P 9.5T	4P 4000KV	4P 4600KV	4P 5200KV
Part Number	ORI28254	ORI28255	ORI28256	ORI28257	ORI28258	ORI28259	ORI28260	ORI28261	ORI28267	ORI28268	ORI28269
Size	540	540	540	540	540	540	540	540	540	540	540
Voltage	1-2S	1-2S	1-2S	1-2S	1-3S	1-3S	1-3S	1-3S	max. 3S	max. 2S	max. 2S
kV	10850	9920	9400	7770	6750	6200	5400	4940	4000	4600	5200
Power/W	850	800	750	670	600	550	490	430	700	750	800
Current/A	100	95	90	80	72	65	58	52	80	90	100
Efficiency	92%	92%	92%	91%	91%	91%	91%	91%	92%	92%	93%
Poles	2	2	2	2	2	2	2	2	4	4	4

540 SIZE STOCK 1/10 VORTEX VST2 PRO

NEW!

DUAL SENSOR PORT



**WORLD
CHAMPIONS**

**1/10 SENSOR
BRUSHLESS
RACING MOTOR**

**OPTIMIZED
FOR 90C LIPO
TECHNOLOGY**

**FULLY
REBUILDABLE**

**DUAL
SENSOR
PORT**

**STOCK
VERSION**

The VST2 Pro Stock brushless motor features specific developments for the stock racing class. Using the input from our racing team, Oscar Jansen has developed a stock class motor that features performance at the peak of the technology.

The VST2 motor is a new generation of motor that is a big step up from our current designs. New technical solutions have been developed to improve, performance, stability and reliability. The motor uses high grade materials and is now equipped with two sensor ports, facilitating wire management.

The VST2 Pro Stock motor follows the regulations edicted by the leading organizations. It's available in the most popular winds, from 10.5T to 21.5T.

Details	
Weight	188g
Length	52.8 mm
Motor Diameter	35.8 mm
Shaft Length	15 mm
Shaft Diameter	3.175 mm
Sensor and sensorless	yes
Adjustable timing	yes

The motor specifications follow the rules edicted by EFRA, ROAR, FEMCA and IFMAR.



Features

- 540 size motor for 1/10 scale cars
- 10.5T to 21.5T 2 pole
- Rebuildable 2 piece motor can design
- Adjustable timing
- Dual Sensor Port for better wire management
- Plastic rear sensor cover
- Optimised sensor - rotor - stator positioning for improved efficiency and lower heat build-up
- New stack design for improved efficiency
- New cooling vent design for improved cooling
- Extra thick front plate for improved reliability and cooling
- Extra thick solder posts for improved connection
- New sensor holder design
- New winding connection plates design
- Comes with a rotor removal tool
- Available in 2 and 4 pole versions
- Designed in Switzerland

✓STOCK



	2P 10.5T	2P 13.5T	2P 17.5T	2P 21.5T
Size	540	540	540	540
Part Number	ORI28250	ORI28251	ORI28252	ORI28253
Voltage	1-3S	1-3S	1-3S	1-3S
kV	4570	3650	2600	2350
Power/W	385	330	295	250
Current/A	46	40	35	30
Efficiency	91%	91%	90%	90%
Poles	2	2	2	2

550 SIZE 1/10 OFF-ROAD VORTEX VST2 PRO

NEW!

DUAL SENSOR PORT



**WORLD
CHAMPIONS**

550 SIZE SENSOR
BRUSHLESS MOTOR

OPTIMIZED
FOR 90C LIPO
TECHNOLOGY

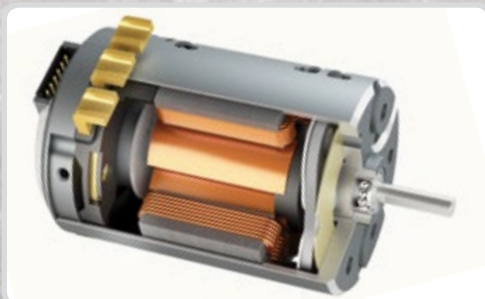
FULLY
REBUILDABLE

4.5T TO 7.5T 2 POLE
4000KV 4 POLE

DUAL
SENSOR PORT

We have also developed a 550 size version of our new VST2 Pro motor. There are four different winds available and a 4 poles 4000KV outlaw version. This is the motor to beat for short-course trucks and other oversized off-road cars.

The Short Course category has become a very popular racing class. Thanks to this popularity, the cars have evolved, increasing the performance levels and allowing the use of more powerful motors and batteries. As with all Vortex racing brushless motors, the 550 size VST2 Pro has been extensively tested by our world championship winning team. This ensures that you get a motor that has all the right characteristics to give you an edge over the competition. This motor has the same features as our new 540 size VST2 Pro motors, but it uses a longer can, longer magnet for extra torque and a 5mm shaft. Available in different winds from 4.5T to 7.5T



Details	
Weight	258g
Length	69.5 mm
Motor Diameter	35.8 mm
Shaft Length	16.5 mm
Shaft Diameter	5 mm
Sensor and sensorless	yes
Adjustable timing	yes

Features

- 550 size motor for short course trucks
- 4.5T to 7.5T 2 pole
- 4000KV Outlaw 4 pole
- Rebuildable 2 piece motor can design
- Adjustable timing
- Dual Sensor Port for better wire management
- Aluminum rear sensor cover
- Optimised sensor - rotor - stator positioning for improved efficiency and lower heat build-up
- New stack design for improved efficiency
- New cooling vent design for improved cooling
- Extra thick front plate for improved reliability and cooling
- Extra thick solder posts for improved connection
- New sensor holder design
- New winding connection plates design
- Comes with a rotor removal tool
- Available in 2 and 4 pole versions
- Designed in Switzerland

	2P 4.5T	2P 5.5T	2P 6.5T	2P 7.5T	4P 4000KV
Size	550	550	550	550	550
Part Number	ORI28263	ORI28265	ORI28264	ORI28265	ORI28266
Voltage	1-2S	1-3S	1-3S	1-3S	2S
kV	4800	4040	3450	3030	4000
Power/W	910	820	730	670	1000
Current/A	100	80	60	50	120
Efficiency	92%	92%	92%	91%	92%
Poles	2	2	2	2	4

690 SIZE 1/8 OFF-ROAD VORTEX VST2 PRO

NEW!

DUAL SENSOR PORT



**WORLD
CHAMPIONS**

**1/8 SENSOR
BRUSHLESS
RACING MOTOR**

**OPTIMIZED
FOR 90C LIPO
TECHNOLOGY**

**FULLY
REBUILDABLE**

**4 POLE SENSOR
TECHNOLOGY**

**DUAL
SENSOR PORT**

We have designed a new 1/8 off-road sensor motor Based on our 1/10 VST2Pro motor developments. This new motor is fully rebuildable and also features our dual sensor port design.

We have improved on the design of our previous 1/8 brushless racing motors with these new VST2 Pro 1/8 sensor motors. Everything has been redesigned, for more performance and reliability. The motor is now fully rebuildable, the sensor can be replaced and it also features our dual port design.



A new motor production line has been specifically put into place for the VST2 motors. Our R&D manager Oscar Jansen valuable input ensures that each motor is built with the highest quality standards.

Details

Weight	325g
Length	69 mm
Motor Diameter	43.2 mm
Shaft Length	18 mm
Shaft Diameter	5 mm
Sensor and sensorless	yes
Adjustable timing	no

Features

- 690 size motor for 1/8 scale cars
- 1900KV to 2500KV 4 pole
- Rebuildable 3 piece motor can design
- Dual Sensor Port for better wire management
- Aluminum rear sensor cover.
- Optimised sensor - rotor - stator positioning for improved efficiency and lower heat build-up
- New stack design for improved efficiency
- New cooling vent design for improved cooling
- Extra strong aluminum case for improved reliability and cooling
- Extra thick solder posts for improved connection
- New sensor holder design
- Designed in Switzerland

	4P 1900KV	4P 2100KV	4P 2500KV
Size	690	690	690
Part Number	ORI28270	ORI28271	ORI28272
Voltage	2-6S	2-4S	2-4S
kV	1900	2100	2500
Power/W	2100	2300	2650
Current/A	100	120	150
Efficiency	93%	92%	92%
Poles	4	4	4

1/10 550 OFF-ROAD SENSORLESS COMBOS



WATERPROOF



4 POLE SENSORLESS
BRUSHLESS
SYSTEM

2400KV AND 3800KV
5MM OR 3MM
MOTOR SHAFT

WATERPROOF
VORTEX R10 ESC

EASY TO USE
NO SOLDERING
REQUIRED

ADVANCED
CUSTOMISABLE
SETTINGS

The Neon 550 size brushless combo is designed for short-course trucks and other oversized 1/10 off-road cars. The 4 pole motor and ESC with customisable advanced software offer great performance at a great price.

Neon550 2400KV

Neon550 3800KV

Waterproof ESC



Waterproof ESC



Runtime
Power

ORI66092 Combo, Shaft: 3.175mm
ORI66093 Combo, Shaft: 5mm

ESC	Vortex R10 WP Deans
Part#	ORI65115
Type	Sensorless
Rated current	100A / 520A
Battery	6-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	6V/3A
Weight/size	59.3x38.4x33.6mm, 110g

Motor	2400KV
Part#	3mm: ORI28185 5mm: ORI28186
Type	Sensorless, 4 Pole
RPM/V	2400
Application	1/10 Off-Road
Voltage	6.0V-16.8V (2-4S Lipo)
Dimensions	D36xL61mm
Plug	Gold plug 4mm
Weight	248g

Runtime
Power

ORI66096 Combo, Shaft: 3.175mm
ORI66097 Combo, Shaft: 5mm

ESC	Vortex R10 WP Deans
Part#	ORI65115
Type	Sensorless
Rated current	100A / 520A
Battery	6-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	6V/3A
Weight/size	59.3x38.4x33.6mm, 110g

Motor	3800KV
Part#	3mm: ORI28189 5mm: ORI28190
Type	Sensorless, 4 Pole
RPM/V	3800
Application	1/10 Off-Road
Voltage	6.0V-12.6V (2-3S Lipo)
Dimensions	D36xL61mm
Plug	Gold plug 4mm
Weight	265g

Features

- Vortex world champion brushless technology
- Optimal sensorless ESC/motor combination
- Designed for short-course trucks and 1/10 scale off-road cars
- 2400kv or 3800kv 4-pole sensorless motor
- High performance waterproof Vortex R ESC
- Forward/brake, forward/brake/reverse or forward/reverse (crawler) function
- Easy setup no soldering required
- Status control by LED and audio tone
- Works with up to 3S LiPo
- Low voltage cut-off system for battery protection
- High grade silicone wire
- Gold connectors
- Optional DSB-R programming box available (ORI65150)



Traxxas® Slash with Team Orion equipment.

1/8 690 OFF-ROAD SENSORLESS COMBOS



WATERPROOF

NEW!



**4 POLE SENSORLESS
BRUSHLESS
SYSTEM**

**2000KV
OR 2100KV
WATERPROOF**

**WATERPROOF
VORTEX R8 ESC**

**EASY TO USE
NO SOLDERING
REQUIRED**

**ADVANCED
CUSTOMISABLE
SETTINGS**

The Neon 8 is a cost friendly 1/8 brushless combo ideal for regular people need good performance but cannot afford the costs of racing grade systems. The set is made up of a 4 pole sensorless motor and a waterproof ESC.

Neon8 2000KV



Waterproof ESC



Runtime
Power

**ORI66094 Brushless Motor and
Waterproof ESC Neon 8 2000KV 5mm**

ESC	Vortex R8 WP Deans
Part#	ORI65116
Type	Sensorless
Rated current	130A / 760A
Battery	6-12Z NiMH/NiCd, 2-4S LiPo/LiFe
BEC	6V/3A
Weight/size	59.3x38.4x33.6mm, 110g

Motor	2000KV
Part#	ORI28187
Type	Sensorless, 4 Pole
RPM/V	2000
Application	1/8 Off-Road
Voltage	7.2-16.8V (2-4S LiPo)
Dimensions	D40.2xL61mm
Plug	5mm
Weight	Goldstecker 4mm
Gewicht	344g

Neon8 2100KV Waterproof



Waterproof ESC and motor



Runtime
Power

**ORI66095 Waterproof Brushless Motor
and ESC: Neon 8 2100KV WP 5mm**

ESC	Vortex R8 WP Deans
Part#	ORI65116
Type	Sensorless
Rated current	130A / 760A
Battery	6-12Z NiMH/NiCd, 2-4S LiPo/LiFe
BEC	6V/3A
Weight/size	59.3x38.4x33.6mm, 110g

Motor	2100KV
Part#	ORI28188
Type	Sensorless, 4 Pole Waterproof
RPM/V	2100
Application	1/8 Off-Road
Voltage	7.2-16.8V (2-4S LiPo)
Dimensions	D40.2xL61mm
Plug	5mm
Weight	Goldstecker 4mm
Gewicht	352g

Features

- Vortex world champion brushless technology
- Optimal sensorless ESC/motor combination
- Designed for 1/8 scale off-road cars
- 2000kv or 2100kv 4-pole sensorless motor
- High performance waterproof Vortex R ESC
- Forward/brake, forward/brake/reverse or forward/reverse (crawler) function
- Easy setup no soldering required
- Status control by LED and audio tone
- Works with up to 3S LiPo
- Low voltage cut-off system for battery protection
- High grade silicone wire
- Gold connectors
- Optional DSB-R programming box available (ORI65150)

The new Neon 8 combos are designed for high performance and quality at a friendly price. The Vortex R8 WP ESC is waterproof and can withstand currents of 130A constant and 760A peak! The Vortex Neon 8 motor comes in 2000kv and it's a first, a 2100kv waterproof version. The Neon 8 brushless combos are ideal for those starting with 1/8 brushless off-road!

1/10 ON- & OFF-ROAD SENSORLESS COMBOS



4-POLE SENSORLESS
BRUSHLESS
SYSTEM

3 DIFFERENT
WINDS AVAILABLE

NEW GENERATION
SPLASH PROOF ESC

EASY TO USE
NO SOLDERING
REQUIRED

HIGH GRADE
SILICONE WIRES
GOLD CONNECTORS

The Neon Brushless System sets a new standard for entry level brushless systems. A reliable new generation ESC, combined with a new 4-pole sensorless brushless motor!

Combo 14T/4100KV



Runtime
Power

ORI66082 Deans-Plug
Neon 14T 4100KV Brushless Combo

ESC	Vortex R10 Sport Deans
Part#	ORI65110
Type	Sensorless
Rated current	45A / 290A
Battery	4-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	6V/3A
Weight/size	31.5x27.5x33mm, 74g

Motor	4100KV
Part#	ORI28182
Type	Sensorless, 4 Pole
RPM/V	4100
Application	1/10 Off-Road/On-Road
Voltage	4.5-12.6V
Dimensions	D38.5xL52mm
Plug	3.175mm
Weight	Goldstecker 3.5mm

Combo 17T/3280KV



Runtime
Power

ORI66083 Deans-Plug
Neon 17T 3280KV Brushless Combo

ESC	Vortex R10 Sport Deans
Part#	ORI65110
Type	Sensorless
Rated current	45A / 290A
Battery	4-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	6V/3A
Weight/size	31.5x27.5x33mm, 74g

Motor	3280KV
Part#	ORI28183
Type	Sensorless, 4 Pole
RPM/V	3280
Application	1/10 Off-Road/On-Road
Voltage	4.5-12.6V
Dimensions	D38.5xL52mm
Plug	3.175mm
Weight	Goldstecker 3.5mm

Combo 19T/2750KV



Runtime
Power

ORI66084 Tamiya-Plug
Neon 19T 2750KV Brushless Combo

ESC	Vortex R10 Sport Tamiya
Part#	ORI65110
Type	Sensorless
Rated current	45A / 290A
Battery	4-9Z NiMH/NiCd, 2-3S LiPo/LiFe
BEC	6V/3A
Weight/size	31.5x27.5x33mm, 74g

Motor	2750KV
Part#	ORI28184
Type	Sensorless, 4 Pole
RPM/V	2750
Application	1/10 Off-Road/On-Road
Voltage	4.5-12.6V
Dimensions	D38.5xL52mm
Plug	3.175mm
Weight	Goldstecker 3.5mm

Features

- Vortex world champion technology
- Optimal ESC/motor combinations
- 3 different winds available
- Designed for 1/10 scale on-road and off-road cars
- 4-pole sensorless brushless motor
- New generation 45A/290A Vortex R10 Sport ESC
- Forward/brake and forward/brake/reverse function modes
- Available with Deans or Tamiya plugs (depending on motor type)
- Works with up to 3S LiPo
- Low voltage cut-off system for battery protection
- High grade silicone wire
- Gold connectors
- Easy setup
- Status control by LED and audio tone
- Customisable settings
- Optional DSB-R programming box available (ORI65150)

BRUSHED TECHNOLOGY TUNING MOTORS



**BRUSHED
MODIFIED MOTOR**

**ADJUSTABLE
TIMING**

REBUILDABLE

**4 WINDS
AVAILABLE**

**EASY SOLUTION
TO IMPROVE
PERFORMANCE**

The Method Pro motors is the new generation of Method motors. Team Orion's world championship winning technology is built into these cost friendly motors. Installing a Method motor in your car is the easiest way to improve its performance and have more fun when you are running it. The motors can be rebuilt and the brushes replaced easily.

12 Turns



Runtime
Power
Method Pro 12 Turns
ORI25126

15 Turns



Runtime
Power
Method Pro 15 Turns
ORI25127

17 Turns



Runtime
Power
Method Pro 17 Turns
ORI25128

20 Turns



Runtime
Power
Method Pro 20 Turns
ORI25129

The Method Pro is manufactured using a high-grade and rebuildable, ventilated case. These motors are the ideal first step for those that want to improve the performance of their RTR cars. They are available in different winds to suit a wide range of on-road and off-road cars. The brushes are screwed on and can be easily replaced and the motor comes with bullet connectors, this means that no soldering is required.

Features

- High performance modified brushed motor
- High quality motor can
- Improved cooling
- Fully rebuildable
- Adjustable timing
- Easy to replace brushes and springs
- 4 different winds available, 12T, 15T, 17T and 20T.
- Easy way to vastly improve your car's performance (on-road and off-road applications)
- Team Orion racen proven technology
- Bullet type connectors

OVERVIEW: BRUSHLESS MOTORS

1/8 Scale Motors



Vortex VST2 Pro - 690

Power: **PRO**

ORI28270 Vortex VST2 690 4P 1800KV
ORI28271 Vortex VST2 690 4P 2100KV
ORI28272 Vortex VST2 690 4P 2500KV

Vortex Neon 8

Power: **HOBBY**

ORI28187 Neon8 2000KV
ORI28188 Neon8 2100KV Waterproof

1/10 Scale Motors



Vortex VST2 Pro - 550

Power: **PRO**

ORI28262 Vortex VST2 550 2P SC Modified 4.5 turns
ORI28263 Vortex VST2 550 2P SC Modified 5.5 turns
ORI28264 Vortex VST2 550 2P SC Modified 6.5 turns
ORI28265 Vortex VST2 550 2P SC Modified 7.5 turns
ORI28266 Vortex VST2 550 4P SC 4000KV Outlaw

Vortex Neon - 550

Power: **HOBBY**

ORI28185 Neon550 2400KV 3mm shaft
ORI28186 Neon550 2400KV 5mm shaft
ORI28189 Neon550 3800KV 3mm shaft
ORI28190 Neon550 3800KV 5mm shaft



Vortex VST2 Pro - 540

Power: **PRO**

ORI28250 Vortex VST2 540 2P Stock 10.5 turns
ORI28251 Vortex VST2 540 2P Stock 13.5 turns
ORI28252 Vortex VST2 540 2P Stock 17.5 turns
ORI28253 Vortex VST2 540 2P Stock 21.5 turns
ORI28254 Vortex VST2 540 2P Modified 3.5 turns
ORI28255 Vortex VST2 540 2P Modified 4.0 turns
ORI28256 Vortex VST2 540 2P Modified 4.5 turns
ORI28257 Vortex VST2 540 2P Modified 5.5 turns
ORI28258 Vortex VST2 540 2P Modified 6.5 turns
ORI28259 Vortex VST2 540 2P Modified 7.5 turns
ORI28260 Vortex VST2 540 2P Modified 8.5 turns
ORI28261 Vortex VST2 540 2P Modified 9.5 turns
ORI28267 Vortex VST2 540 4P SC 4000KV
ORI28268 Vortex VST2 540 4P SC 4600 KV
ORI28269 Vortex VST2 540 4P SC 5200 KV

Vortex Neon - 540

Power: **HOBBY**

ORI28182 Vortex Neon 14T 4100KV
ORI28183 Vortex Neon 17T 3280KV
ORI28184 Vortex Neon 19T 2750KV

Program Box for Brushless ESC's



ORI65150 Vortex DSB-R Program Box

The DSB-R program box is compatible with all the Vortex R series ESC. The program box allows you to adjust ESC settings and update the ESC software when updates are available. Depending on the ESC type, the program box is required to modify certain settings.

Compatible with all Vortex R-Series controllers.

Online: Waterproof ESC

Check www.teamorion.com/waterproof for more info.

Online: Chargers

Check www.teamorion.com/touch for more info.

Motor Spare Parts

ORI41512 Sensor Module w/bearing VST2Pro 540 Modified
ORI41513 Sensor Module w/bearing VST2Pro 540/550 4P
ORI41514 Sensor Module w/bearing VST2Pro 690
ORI41515 Front Bearing VST2Pro 540 2P/4P
ORI41516 Front Bearing VST2Pro 690
ORI41517 Rotor VST2Pro 540 2P Stock
ORI41518 Rotor VST2Pro 540 2P Modified
ORI41519 Rotor VST2Pro 550 2P
ORI41520 Rotor VST2Pro 550 4P
ORI41521 Rotor VST2Pro 540 4P
ORI41522 Rotor VST2Pro 690 4P
ORI41523 Sensor cover VST2Pro 10pcs
ORI41529 Sensor Module w/bearing VST2Pro 540 Stock
ORI41530 Front Bearing VST2Pro 550 2P/4P
ORI41531 Soldering tab cover VST2Pro 540/550
ORI41532 Soldering tab cover VST2Pro 690
ORI41533 Rotor removal tool VST2Pro 540/550 2P
ORI41534 Stator with winding for 540 2Px.5T
ORI41535 Aluminum End bell w/screws VST2Pro 540/550
ORI41536 Plastic End bell w/screws VST2Pro 540/550
ORI41537 Screws VST2Pro 540/550 case / VST2 690 Endbell (10pcs)
ORI41538 Screws VST2Pro 540/550 Endbell (10pcs)
ORI41539 Screws VST2Pro 690 case (10pcs)
ORI41540 Screws Neon 8 WP case (10pcs)
ORI41541 Screws Vortex RTR motor case (10pcs)

NEW SERVOS: FAST & POWERFUL

NEW!



**6V TO 7.4V
LIPO COMPATIBLE**

WATERPROOF

**HIGH SPEED
& HIGH TORQUE
VERSIONS**

METAL GEARS

**DIGITAL
HIGH-PRECISION**

The new Vortex VDS2 servos are two new servos that are designed to fulfill the most current applications in RC cars. Whether it's on-road or off-road, 1/10 scale or Monster trucks, these servos have the power to handle any situation.

Features

- Competition grade performance
- Digital High voltage servos
- Coreless motor
- Waterproof
- 6.0V to 7.4V input voltage
- Use Lipo directly without regulator
- Aluminum heatsink
- Metal gears
- Dual ballbearing
- 25 tooth Futaba type servo horn
- JR/hitec type gold plated plug

The new Vortex VDS2HV servos have been developed to handle any type of use. Whether you are running on-road, off-road or monster trucks, they can handle any situation, whether you are bashing or racing.

These servos can be powered by 6V NiMH or 7.4V LiPo batteries directly, no power regulator is required when using these servos with Lipo receiver packs. They are equipped with metal gears and are waterproof.

Applications

VDS2-HV1605

1/10 Electric cars
1/10 Nitro Steering/throttle
1/8 Nitro Steering

VDS2-HV2607

1/8 throttle/brakes
Monster trucks

VDS2-HV 1605



Torque
Speed

Vortex VDS2-HV 1605 High-Speed Servo
ORI68026

VDS2-HV 2607



Torque
Speed

Vortex VDS2-HV 2607 High-Torque Servo
ORI68027

Name	VDS2-HV 1605	VDS2-HV 2607
Part#	ORI68026	ORI68027
Programmable	Yes	Yes
Torque kg-cm @7.4V	16	26
Speed /60° @7.4V	0.05s	0.07s
Torque	222	361
Plug	Gold	Gold
Weight	62g	62g
Size	40(H)x20(W)x41(L)mm	40(H)x20(W)x41(L)mm
Motor	Coreless	Coreless
Voltage (V)	6.0 - 7.4V	6.0 - 7.4V
Gears	Full metal	Full metal
Ball Bearings	Dual	Dual
Spline	25 T (Futaba)	25 T (Futaba)

THE NEW TOUCH CHARGER TECHNOLOGY

TYPE LIPO	CELLS 2	CAPACITY 5000	CHG 5.0A	DCHG 1.0A	+
<div>CHARGE</div> <div>DISCHARGE</div> <div>CYCLE</div> <div>BALANCE</div> <div>STORAGE</div> <div>VIEW DATA</div>					

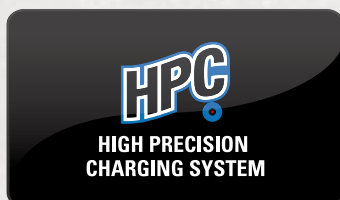
The ATTS charging software is specially designed for Touch Screen chargers. All our Touch chargers are equipped with the following functions:

- Charge
- Discharge
- Formieren
- Balancing
- Storage
- Charge data display



Jared Tebo and his Team Orion Advantage Touch charger!

This is what makes the Advantage Touch Technology exclusive:



HPC Processor

It's important that the charger gives the battery a complete charge, no matter the type and original status of the battery. Through extensive R&D we have found the best charge and discharge profiles to ensure a safe and reliable charge and discharge, time after time. The high precision charging circuitry manages the charge and discharge with unprecedented levels of accuracy, delivering optimal battery performance charge after charge.



Spectra TFT Screen.

On a device such as this one, the screen is a very important part of the charger. The 3" 400x240 color TFT-LCD display combined with our specialized ATTS touch software offers an exclusive "touch" experience for the user. Selected high grade components ensure a flawless and intuitive experience, the information is clearly displayed on the screen and the touch screen precisely registers the user input. Thanks to it's "touch" input, the charger reaches new levels of usability and interactivity.



ATTS Software

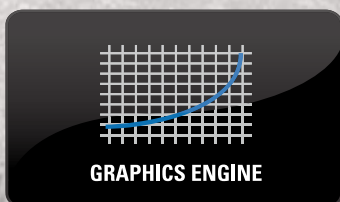
The ATTS software was specifically designed for the Advantage Touch charger, its interface offers both ease of use for beginners and customizability for experienced users. All of the information is clearly displayed on the high-resolution color screen, this means that having to read lengthy user manuals is a thing of the past, the charger offers a very intuitive experience.

To make things even simpler for users with limited knowledge, a setup assistant helps the user to setup to charger.



Advanced Balancing

The Advantage Touch charger is equipped with a lithium battery balance function. This function enables you to check the status of your lithium batteries and if required it can balance the cells without having to use the charge or discharge functions of the charger. A graphic display and data such as voltage and IR for each cell are displayed on the screen indicating their current status.



Graphics Engine

Thanks to its advanced software and hardware capabilities, the charger can display the current charge and discharge status with a graphic. Graphics give a visual reading of data which can help you better visualize the current state of the battery. You can check the battery charge and discharge voltage curves which may indicate eventual inconsistencies with the battery function.



Charge Assistant

Adjusting the correct parameters into the charger is not an easy task for those that are not familiar with charging batteries. To help out these users, the Advantage Touch charger features a setup assistant which allows you to easily setup the charger parameters by following the on-screen information.



Updatable Firmware

The charger is equipped with a mini USB port. Thanks to this port, you can connect your charger to a computer and update its software. Updated software can improve the capabilities of the charger, it also helps it maintain its original value since you can always have the latest functionalities. Software updates can be downloaded from our website www.teamorion.com/touch.



Multi-Language Software

The latest generation of touch chargers features six pre-installed interface languages: english, japanese, german, french, italian and swedish.

NEW!

AC/DC 100W TOUCH CHARGER!

NEW!



**advantage
TOUCH**

Charge with
up to **10A!**

**3" 400X240 COLOR
TOUCH SCREEN**

**FOR LIPO, LIFE,
LIION, NIMH, NICK
& PB BATTERIES**

**DUAL INPUT
11-18VDC AND
100-240VAC**

**CHARGE SETUP
ASSISTANT**

**SIX
LANGUAGE PACKS
PRE-INSTALLED**

The Advantage Touch Advance is our new AC/DC high power charger. Thanks to the integrated 100W power supply, you can reach charge rates of up to 10A.

This multi-purpose charger can charge, discharge, balance and cycle NiMH, NiCd, LiPo, LiFe, Lilon and Pb batteries. Thanks to its touch interface it is very easy to use even for those which are not familiar with battery charging.

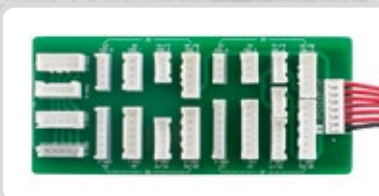
Specifications

Input:	11-18VDC 100-240VAC
Integrated power supply:	Yes, 100W
Charge:	0.1-10A
Discharge:	0.1-5A, max. 10W
Cells:	NiMH/NiCd 1-15 cells LiPo/LiFe/Lilon 1-6S Pb 2-20V
Size:	L170xB158xH45mm
Weight:	744g

Packaging Contents

- Advantage Touch Charger w/power cord
- 4-in-1 Balancing Board (XH, TP/FP, EH and HP/PQ)
- TRX, Deans, Tamiya, crocodile, EC3, BEC and Futaba charge leads
- USB cable for firmware upgrade
- Bedienungsanleitung und Quick Start User Guide

ORI30207 EU-Version
ORI30208 UK-Version
ORI30209 USA-Version
ORI30210 CH-Version
ORI30211 JP-Version
ORI30212 AU-Version



The new 4-in-1 XH, TP/FP, EH and HP/PQ balancing board is included with the charger.



Integrated power supply 100W



4-in-1 Balancing Board



Charge assistant



**Multi-lingual interface
6 languages pre-installed!**



**Dual Input
11-18VDC / 100-240VAC**



**Graphic charge/discharge
display**



Graphic balancing display



**Upgradeable software via
USB**

AC/DC 50W TOUCH CHARGER!



3" 400X240 COLOR
TOUCH SCREEN

FOR LIPO, LIFE,
LIION, NIMH, NICD
& PB BATTERIES

DUAL INPUT
11-18VDC AND
100-240VAC

CHARGE SETUP
ASSISTANT

TOUCH
TECHNOLOGY
HIT PRICE

The original Advantage Touch charger with its 400x240 TFT color screen was the first of the new generation of Team Orion Touch chargers.

This multi-purpose charger can charge, discharge, balance and cycle NiMH, NiCd, LiPo, LiFe, Lilon and Pb batteries. Thanks to its touch interface it is very easy to use even for those which are not familiar with battery charging.

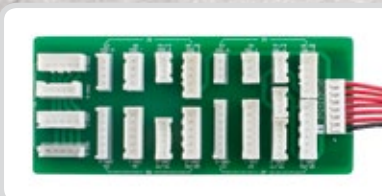
Specifications

Input:	11-18VDC 100-240VAC
Integrated power supply:	Yes, 50W
Charge:	0.1-6A
Discharge:	0.1-2A, max. 5W
Cells:	NiMH/NiCd 1-15Z LiPo/LiFe/Lilon 1-6C Pb 2-20V
Size:	L170xB158xH45mm
Weight:	662g

Packaging Contents

- Advantage Touch Charger w/power cord
- 4-in-1 Balancing Board (XH, TP/FP, EH and HP/PQ)
- TRX, Deans, Tamiya, crocodile, EC3, BEC and Futaba charge leads
- USB cable for firmware upgrade
- Bedienungsanleitung und Quick Start User Guide

ORI30185 EU-Version
ORI30186 UK-Version
ORI30187 USA-Version
ORI30188 CH-Version
ORI30189 JP-Version
ORI30190 AU-Version



The new 4-in-1 XH, TP/FP, EH and HP/PQ balancing board is included with the charger.



Integrated power supply **50W**



4-in-1 Balancing Board



Charge assistant



Multi-lingual interface
6 languages available!



Dual Input
11-18VDC / 100-240VAC



Graphic charge/discharge
display



Graphic balancing display



Upgradeable software via
USB

ADVANTAGE TOUCH PRO 12V HIGH-END CHARGER

NEW!



**3" 400X240 COLOR
TOUCH SCREEN**

**FOR LIPO, LIFE,
LIION, NIMH, NICD
& PB BATTERIES**

**11-18VDC
INPUT**

**CHARGE SETUP
ASSISTANT**

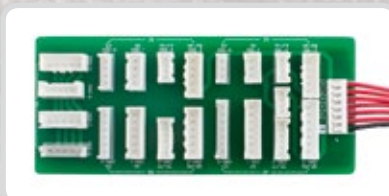
**SIX
LANGUAGE PACKS
PRE-INSTALLED**

**150W
Charge Power**

The Advantage Touch Pro is designed for those that require high power charging and discharging. It can charge your batteries with up to 10A and discharge them with up to 20A.

The Advantage Touch Pro charge is our most powerful touch technology charger. It can charge and discharge your batteries at a high rate allowing you to squeeze out the maximum performance out of your batteries. A must for the serious competitors!

ORI30205 Advantage Touch Pro



The new 4-in-1 XH, TP/FP, EH and HP/PQ balancing board is included with the charger.

**HIGH
POWER**

12A charge 20A discharge

4-IN-1

4-in-1 Balancing Board



Charge assistant



**Multi-lingual interface
6 languages pre-installed!**



**Graphic charge/discharge
display**



Graphic balancing display



**Upgradeable software via
USB**

Specifications

Input:	11-18VDC
Integrated power supply:	No
Charge:	0.1-12A, max. 150W
Discharge:	0.1-20A, max. 100W
Cells:	NiMH/NiCd 1-15Z
	LiPo/LiFe/LiIon 1-6C
	Pb 2-20V
Size:	L170xB158xH45mm
Weight:	840g

Packaging Content

- Advantage Touch Charger w/power cord
- 4-in-1 Balancing Board (XH, TP/FP, EH and HP/PQ)
- TRX, Deans, Tamiya, crocodile, EC3, BEC and Futaba charge leads
- USB cable for firmware upgrade
- Bedienungsanleitung und Quick Start User Guide

ADVANTAGE ONE 406 UNIVERSAL CHARGER

NEW!



**COMPACT
ENTRY LEVEL
CHARGER**

**FOR LIPO, LIFE,
NIMH AND NICK**

**12V / 100-240V
AC/DC POWER**

**TEAM ORION
DESIGN**

**BACKLIT
LCD SCREEN**

The new ONE 406 charger is a compact size AC/DC charger that offers Team Orion quality and design at an affordable price. The ONE 406 charges the most popular battery types at up to 6A and is equipped with a backlit LCD display.

The ONE 406 is the ideal charger for users that need a cost friendly universal charger. Thanks to its integrated power supply, it can use both AC and DC power sources so you can charge your batteries at home or on the field. The integrated balancer ensures that you charge your LiPo/LiFe batteries safely and efficiently. Finally the LCD display allows you to monitor the battery during charge.

ORI30220 US-Version, ORI30221 EU-Version, ORI30222 CH-Version
ORI30223 AU-Version, ORI30224 JP-Version, ORI30225 UK-Version

Specifications

Input:	12-15VDC 100-240VAC
Integrated power supply:	Yes, 50W
Charge:	1-6A
Discharge:	-
Cells:	NiMH/NiCd 1-8Z LiPo/LiFe 2-4C
Size:	L125xB135xH53.3mm
Weight:	399g

Packaging Content

- Advantage ONE charger with power cord
- Deans charge lead (USA: EC3 charge lead)
- Instruction manual



Front view of the charger with output sockets.

ADVANTAGE ONE 405 ENTRY LEVEL CHARGER

NEW!



**COMPACT
ENTRY LEVEL
CHARGER**

**FOR LIPO,
NIMH AND NICK**

**12V / 100-240V
AC/DC POWER**

**TEAM ORION
DESIGN**

LED DISPLAY

The ONE 405 is the ideal Team Orion charger for those on a budget. It charges your batteries with up to 4A and it can be powered with both AC or DC power, making it a very versatile charger.

ORI30226 US-Version, ORI30227 EU-Version, ORI30228 CH-Version
ORI30229 AU-Version, ORI30230 JP-Version, ORI30231 UK-Version

The Advantage ONE 405 is the ideal charger for RTR cars. Thanks to its integrated power supply, it can use both AC and DC power sources so you can charge your batteries at home or on the field. The integrated balancer ensures that you charge your LiPo batteries safely and efficiently. The charge current is adjustable up to 4A meaning that your batteries will be charged in a breeze. The ideal charger for beginners.

Specifications

Input:	100-240VAC
Integrated power supply:	Yes, 50W
Charge:	1, 2, 3, 4A
Discharge:	-
Cells:	NiMH/NiCd 1-8Z LiPo 2-4C
Size:	L125xB135xH53.3mm
Weight:	372g

Packaging Content

- Advantage ONE charger with power cord
- Deans charge lead (USA: EC3 charge lead)
- Instruction manual



Die zwei Advantage ONE Geräte zusammen mit dem Advantage Touch Ladegerät.



CHARGERS FOR AA AND AAA BATTERIES.



EZ Clubman 230V
ORI30400

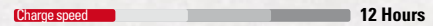


With 4 EZ2100 AA Batteries
ORI32400



With EZ800 AAA Batteries
ORI32404

EZ Clubman 230V

Charge speed  12 Hours

The Team Orion EZ Clubman charger is a simple 230VAC charger with four independent charge channels which can be used simultaneously. Each charge channel has its own LED to indicate the charge status. It can charge AA and AAA cells whether NiMH or NiCd, therefore different types of cells can be charged simultaneously. The special shape of the cell holders ensure that the cells are always fitted properly.

Input : 230VAC, cell type : NiMH/NiCd, cell size : AA/ AAA, charge current : AA 120mA, AAA 70mA.



EZ Pro-Am 230V
ORI30401

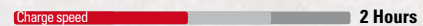


Inkl. 4 EZ2100 AA Batteries
ORI32401



Inkl. 4 EZ800 AAA Batteries
ORI32405

EZ Pro-Am 230V

Charge speed  2 Hours

The Team Orion Pro-Am is another charger with a long list of features, 230VAC power supply and four single cell independent charge channels which can be used simultaneously. Each charge channel has its own dual-color LED. The charger can charge AA and AAA cells, NiMH or NiCd.

The Pro-Am charger uses a delta-peak charge cut-off system to stop the charge once the batteries are full.

Input : 110-230VAC, cell type : NiMH/NiCd, cell size : AA/AAA, charge current : AA 1000mA (2 cells) / 500mA (4 cells), AAA 600mA (2 cells) / 300mA (4 cells),



EZ Pro-Am Digital 12/230V
ORI30402



With 4 EZ2100 AA Batteries
ORI32402



With 4 EZ800 AAA Batteries
ORI32406

EZ Pro-Am Digital 12/230V

Charge speed  1 Hour

The Team Orion Pro-AM Digital is a convenient high performance charger. It can be powered with 230VAC or 12VDC, therefore you can use it at home or on the road.

The Pro-Am charger can charge AA and AAA cells whether they are NiCd or NiMH. Another great feature is the refresh function, this function allows you to discharge your cells to cancel memory effects.

With the 0V jumpstart function, the charger can even recharge cells which are over discharged.

Input : 12VDC/110-230VAC, cell type : NiMH/NiCd, cell size : AA/AAA, charge current : AA 2200mA, AAA 800mA



EZ Pro-Am Ultra Quick 12/230V
ORI30403



With 4 EZ2100 AA Batteries
ORI32403



With 4 EZ800 AAA Batteries
ORI32407

EZ Pro-Am Ultra Quick 12/230V

Charge speed  15 Minutes

The Team Orion Pro-Am Ultra Quick is the most powerful charger of the line. With a charge current of 7A for AA and 3A for AAA, it is designed to fast charge our high-power AA and AAA batteries. With this charger you can charge your batteries in 15 minutes or less. The Pro-Am Ultra can work with 230VAC or 12VDC, therefore you can use it whether you are at home or on the road. Even old and over discharged cells can be safely charged thanks to the 0V jumpstart function.

Input : 12VDC/110-230VAC, cell type : NiMH/NiCd, cell size : AA/AAA, charge current : AA 7000mA, AAA 3000mA

AVIONICS SPORT FLIGHT LIPO BATTERIES

High quality flight lipo batteries

2S 7.4V LiPo Sport



Kapazität (mAh): 1800mAh
C-Rate: 25C
Gewicht (ca.): 98g
Abmessungen (ca. mm): L106 x W35 x H15
Bestellnummer: ORI60110



Kapazität (mAh): 2100mAh
C-Rate: 25C
Gewicht (ca.): 112g
Abmessungen (ca. mm): L106 x W35 x H17
Bestellnummer: ORI60111



Kapazität (mAh): 2400mAh
C-Rate: 25C
Gewicht (ca.): 124g
Abmessungen (ca. mm): L106 x W35 x H19
Bestellnummer: ORI60112



Kapazität (mAh): 3200mAh
C-Rate: 25C
Gewicht (ca.): 166g
Abmessungen (ca. mm): L135 x W35 x H16
Bestellnummer: ORI60113



Kapazität (mAh): 3600mAh
C-Rate: 25C
Gewicht (ca.): 184g
Abmessungen (ca. mm): L135 x W35 x H17
Bestellnummer: ORI60114

3S 11,1V LiPo Sport



Kapazität (mAh): 1800mAh
C-Rate: 25C
Gewicht (ca.): 147g
Abmessungen (ca. mm): L106 x W35 x H22
Bestellnummer: ORI60115



Kapazität (mAh): 2100mAh
C-Rate: 25C
Gewicht (ca.): 168g
Abmessungen (ca. mm): L106 x W35 x H25
Bestellnummer: ORI60116



Kapazität (mAh): 2400mAh
C-Rate: 25C
Gewicht (ca.): 186g
Abmessungen (ca. mm): L106 x W35 x H28
Bestellnummer: ORI60117

3S 11,1V LiPo Sport (Fortsetzung)



Kapazität (mAh): 3200mAh
C-Rate: 25C
Gewicht (ca.): 249g
Abmessungen (ca. mm): L135 x W43 x H23
Bestellnummer: ORI60118



Kapazität (mAh): 3600mAh
C-Rate: 25C
Gewicht (ca.): 276g
Abmessungen (ca. mm): L135 x W43 x H25
Bestellnummer: ORI60119

14.8V LiPo Sport



Kapazität (mAh): 2100mAh
C-Rate: 25C
Gewicht (ca.): 198g
Abmessungen (ca. mm): L106 x W35 x H29
Bestellnummer: ORI60120



Kapazität (mAh): 2400mAh
C-Rate: 25C
Gewicht (ca.): 226g
Abmessungen (ca. mm): L106 x W35 x H33
Bestellnummer: ORI60121



Kapazität (mAh): 3200mAh
C-Rate: 25C
Gewicht (ca.): 250g
Abmessungen (ca. mm): L106 x W35 x H36
Bestellnummer: ORI60122



Kapazität (mAh): 3600mAh
C-Rate: 25C
Gewicht (ca.): 334g
Abmessungen (ca. mm): L135 x W43 x H30
Bestellnummer: ORI60123



Kapazität (mAh): 4000mAh
C-Rate: 25C
Gewicht (ca.): 370g
Abmessungen (ca. mm): L135 x W43 x H33
Bestellnummer: ORI60124

SPORT LIPO **25C**

90C RACING LIPO BATTERIES!

NEW!



**WORLD
CHAMPIONS**

LATEST LIPO
TECHNOLOGY

W/GOLD TUBES
OR DEANS®
CONNECTOR

90C DISCHARGE
RATE

UP TO
5C CHARGE

SWISS
DESIGN

Thanks to new developments, the Carbon Pro LiPo can now withstand discharge rates of up to 90C. This new technology also allows us to increase the capacity of the battery while keeping the same race legal case dimensions.

2S | 7.4V NEW: 8000mAh with Dual Connector

8000 **NEW!**



HE

Runtime
Power

ORI14056 Carbon Pro 8000mAh Gold Tubes
138.3 x 46.8 x 24.5mm

8000 **NEW!**



HE

Runtime
Power

ORI14057 Carbon Pro 8000mAh Deans Double
138.3 x 46.8 x 24.5mm

NEW!



Runtime
Power

ORI14055 Carbon Pro XS 4000mAh Gold Tubes
95 x 46.8 x 24.5mm



HR

Runtime
Power

ORI14053 Carbon Pro WTS Gold Tubes
138.3 x 46.8 x 24.5mm

2S | 7.4V Packs

6500



HE

Runtime
Power

ORI14045 Carbon Pro 6500mAh Gold Tubes
ORI14042 Carbon Pro 6500mAh Deans
138.3 x 46.8 x 24.5mm

5500



HE

Runtime
Power

ORI14044 Carbon Pro 5500mAh Gold Tubes
ORI14041 Carbon Pro 5500mAh Deans
138.3 x 46.8 x 24.5mm

5000



HE

Runtime
Power

ORI14043 Carbon Pro 5000mAh Gold Tubes
ORI14040 Carbon Pro 5000mAh Deans
138.3 x 46.8 x 24.5mm

We recommend...



ORI30205 Advantage Touch Pro

90C technology

Team Orion has worked with the battery industry best engineers to develop batteries capable of delivering incredibly high currents! This is the 90C technology. Power without limits!

Carbon Hard case

Team Orion was the first to introduce the Carbon look hard case for LiPo batteries. The Carbon look hard case is good not only for looks but also for protecting the batteries against impacts and damage.

World Champion technology

Team Orion is a multiple off-road and on-road World Championship winner. High performance, innovation and technology are key to racing success! You too can drive with the World Champion technology.



CARBONPRO 90C LIPO

★90C CHARGE
★5C DISCHARGE

1S Pack and 2S Saddle Packs

6400
1S



HE

Runtime
Power

ORI14039 Carbon Pro 6400mAh

5500
2S



HE

Runtime
Power

ORI14048 Carbon Pro 5500mAh
68.7 x 46.2 x 24.6mm

5500
2S



HE

Runtime
Power

ORI14049 Carbon Pro 5500mAh
68.7 x 46.2 x 24.6mm

3S | 11.1V Akkus

4600
3S



Runtime
Power

ORI14047 Carbon Pro 4600mAh | Deans®
138.3 x 46.8 x 30mm

4600
3S



Runtime
Power

ORI14046 Carbon Pro 4600mAh | Goldkontakt-Tubes
138.3 x 46.8 x 30mm

- ★ 2012 IFMAR ISTC Touring Car World Champion
- ★ 2012 IFMAR World Champion Buggy 2WD & 4WD
- ★ 2012 US National Champion Off-Road
- ★ 2011 IFMAR World Champion Buggy 2WD & 4WD
- ★ 2011 ROAR National Champion Buggy Modified
- ★ 2011 ROAR National Champion Truggy Modified
- ★ 2010 ROAR National Champion Truggy Modified

The Carbon Pro Batteries

- LiPo high performance batteries featuring Carbon Pro Technology
- Up to 90C discharge rate thanks to new battery separator technology.
- Up to 5C charge rate thanks to highly stable chemistry.
- Robust Carbon Look Hardcase prevents mechanical damage to the cells.
- UN safety test certified.
- Developed by Oscar Jansen and our national, european and world championship winning racing team.
- High quality Silicone wire.
- Available with gold tubes or Deans connectors.
- Available in 1-6S configurations
- JST-XH balance connector
- Race legal

1/8 Scale Batteries

6400
4S



Runtime
Power

ORI14050 Carbon Pro 1/8 | 90C | 14.8V | 6400mAh
138.5 x 48 x 48mm

4800
5S



Runtime
Power

ORI14051 Carbon Pro 1/8 | 90C | 18.5V | 4800mAh
138.5 x 48 x 48mm

4000
6S



Runtime
Power

ORI14052 Carbon Pro 1/8 | 90C | 22.2V | 4000mAh
138.5 x 48 x 48mm

SPECIFIC BATTERIES FOR THE SAVAGE FLUX!



Best performance with 2
batteries per car



**CARBON LOOK
SPECIAL
HARD CASE**

**MAXIMIZED
CAPACITY**

**UP TO 45C
DISCHARGE RATE**

**2S AND 3S
VERSIONS**

**FOR HPI® SAVAGE
FLUX CARS**

JST-XH Balance connector

Deans®

The Carbon FLX LiPo batteries are specifically designed for the Savage Flux. Thanks to the custom case design, capacity and performance are maximized.

2S | 7.4V | Deans® Connector



ORI14172 Carbon FLX 4000 | 45C | 7.4V
197 x 51.2 x 28.7 mm



ORI14173 Carbon FLX 6000 | 45C | 7.4V
197 x 51.2 x 28.7 mm



ORI14174 Carbon FLX 8000 | 45C | 7.4V
197 x 51.2 x 28.7 mm

3S | 11.1V | Deans® Connector



ORI14175 Carbon FLX 4000 | 45C | 11.1V
197 x 51.2 x 28.7 mm



ORI14176 Carbon FLX 6000 | 45C | 11.1V
197 x 51.2 x 28.7 mm



Perfect fit : the battery is specifically designed for the Savage Flux battery holder. Thanks to this, capacity and performance are maximized.

SPECIFIC BATTERIES FOR TRAXXAS® CARS!

**MADE TO FIT
TRAXXAS®
CARS**

Best performance with 2
batteries per car

**TAKE
2**

**CARBON LOOK
SPECIAL
HARD CASE**

GREAT PRICE

**UP TO 45C
DISCHARGE RATE**

**2S AND 3S
VERSIONS**

**FOR TRAXXAS®
1/10 AND 1/16
CARS**



JST-XH Balance connector

TRX®

These batteries have a special case which is designed to fit the battery compartments of Traxxas® cars. The special shape allows to maximize the capacity of the performance of the battery. Now in Sport version!

For Traxxas® 1/10 E-Revo and Summit | 2S | 7.4V | 45C | TRX® Connector

**4000
2S**



ORI14177 TRX Carbon LiPo Sport 1/10 4000 | 45C | 7.4V
178 x 48.3 x 28.6mm

**5000
2S**



ORI14178 TRX Carbon LiPo Sport 1/10 5000 | 45C | 7.4V
178 x 48.3 x 28.6mm

For Traxxas E-Revo 1/16

**1800
2S**



ORI14181 TRX Carbon LiPo Sport 1/16 1800 | 45C | 7.4V
101.6 x 35 x 20mm

For Traxxas® 1/10 E-Revo and Summit | 3S | 11.1V | 45C | TRX® Connector

**3500
3S**



ORI14179 TRX Carbon Sport LiPo 1/10 3500 | 45C | 11.1V
178 x 48.3 x 28.6mm

**4500
3S**



ORI14180 TRX Carbon LiPo Sport 1/10 4500 | 45C | 11.1V
178 x 48.3 x 28.6mm

**1200
3S**



ORI14182 TRX Carbon LiPo Sport 1/16 1200 | 45C | 11.1V
101.6 x 35 x 20mm

25 LIPO BATTERIES ROUND LIPO PACKS



JST-XH Balancer Plug



Uni: TRX®, Deans®, Tamiya®, EC3®

LATEST LIPO
TECHNOLOGY

WITH TAMIYA®,
DEANS®, TRX® OR
UNI-CONNECTOR

25C DISCHARGE
RATE

PROVEN
TEAM ORION
QUALITY

FOR CARS, BOATS
AND PLANES

The new version of Team Orion stick pack size LiPo batteries. Great price and performance for any type of use. Now also available with the Uni Plug System that makes the battery compatible with the most popular types of connectors.





2400 | 7.4V | 2S

3300 | 7.4V | 2S

4200 | 7.4V | 2S






Runtime
Power

-  **Uni Plug System**
LiPo Rocket Sport Pack 2400
ORI14169
-  **TRX**
LiPo Rocket Sport Pack 2400
ORI14166
-  **Deans**
LiPo Rocket Sport Pack 2400
ORI14163
-  **Tamiya**
LiPo Rocket Sport Pack 2400
ORI14160



Runtime
Power

-  **Uni Plug System**
LiPo Rocket Sport Pack 3300
ORI14170
-  **TRX**
LiPo Rocket Sport Pack 3300
ORI14167
-  **Deans**
LiPo Rocket Sport Pack 3300
ORI14164
-  **Tamiya**
LiPo Rocket Sport Pack 3300
ORI14161



Runtime
Power

-  **Uni Plug System**
LiPo Rocket Sport Pack 4200
ORI14171
-  **TRX**
LiPo Rocket Sport Pack 4200
ORI14168
-  **Deans**
LiPo Rocket Sport Pack 4200
ORI14165
-  **Tamiya**
LiPo Rocket Sport Pack 4200
ORI14162

We recommend



Easy to use, advanced technology Advantage Touch charger. This user friendly charger charges the most popular battery types quickly and efficiently. The touch interface is extremely simple to use.



Perfect shape to fit standard NiMH sized battery compartments.

LiPo-Infobox

What is the C Rate?

The C rate indicates the ability of the battery to supply energy. A battery with a higher C rate can be discharged faster and will have better performance. The charge C rate is the rate at which the battery is re-charged, usually 1C (one time the capacity): a 4000mAh is charged at 4A for example.

Features

- 2400-4200mAh version, for cars compatible with 2S LiPo batteries.
- 50% more powerful and 35% lighter than equivalent NiMH batteries.
- Longer run-times than equivalent NiMH batteries.
- Robust hard plastic case protects cells from dirt and damage.
- Available with Uni Plug System, TRX, Deans, Tamiya and EC3 compatible.

3S LIPO BATTERIES SQUARE LIPO PACKS



**3 CELLS FOR
UNPARALLELED
PERFORMANCE**

**COST FRIENDLY
LIPO**

**25C DISCHARGE
RATE**

**3200, 3500 AND
4300MAH
CAPACITY**

**ALSO AVAILABLE
WITH THE UNI
PLUG SYSTEM**

With the new Rocket Sport 3S batteries, Team Orion now offers high performance with a friendly price for everybody. Upgrading to a 3S LiPo battery is the easiest way to drastically improve your car's performance!

3200mAh | 11.1V | 3S



Dimensions:
138.5x46.5x24.5mm

Runtime
Power

- Uni Plug System**
Rocket Sport 3S, 11.1V 3200mAh
ORI14199
- TRX**
Rocket Sport 3S, 11.1V 3200mAh
ORI14198
- Deans**
Rocket Sport 3S, 11.1V 3200mAh
ORI14197
- Tamiya**
Rocket Sport 3S, 11.1V 3200mAh
ORI14196

3500mAh | 11.1V | 3S



Dimensions:
138.5x46.5x31mm

Runtime
Power

- Uni Plug System**
Rocket Sport 3S, 11.1V 3500mAh
ORI14195
- TRX**
Rocket Sport 3S, 11.1V 3500mAh
ORI14194
- Deans**
Rocket Sport 3S, 11.1V 3500mAh
ORI14193
- Tamiya**
Rocket Sport 3S, 11.1V 3500mAh
ORI14192

4300mAh | 11.1V | 3S



Dimensions:
138.5x46.5x31mm

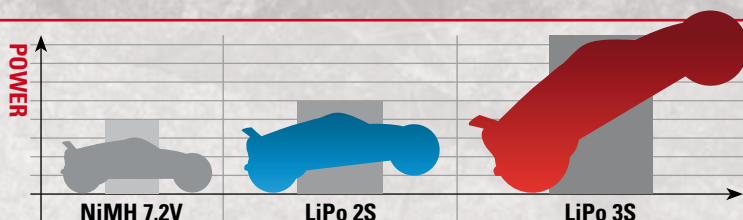
Fahrzeit
Power

- Uni Plug System**
Rocket Sport 3S, 11.1V 4300mAh
ORI14191
- TRX**
Rocket Sport 3S, 11.1V 4300mAh
ORI14190
- Deans**
Rocket Sport 3S, 11.1V 4300mAh
ORI14189
- Tamiya**
Rocket Sport 3S, 11.1V 4300mAh
ORI14188

Features

- 3200mAh version, same size as regular stick battery, compatible with all cars.
- 3500-4300mAh version, for cars compatible with 3S LiPo batteries.
- 50% more powerful and 35% lighter than equivalent NiMH batteries.
- Longer run-times than equivalent NiMH batteries.
- Robust hard plastic case protects cells from dirt and damage.
- Available with Uni Plug System, TRX, Deans, Tamiya and EC3 compatible.

By using a LiPo battery instead of a NiMH battery, you can greatly increase the performance of your car. Using a 3S LiPo instead of a 2S Lipo again increases the performance by up to 50%. Before using a 3S LiPo battery you must consult your car's user manual and make sure that the ESC is compatible with 3S LiPo batteries.



7.2V NIMH STICK PACKS GREAT POWER+CHOICE



Uni: TRX®, Deans®, Tamiya®, EC3®

**LATEST NIMH
TECHNOLOGY**

**WITH TAMIYA®,
DEANS®, TRX® OR
UNI-CONNECTOR**

**HIGH QUALITY
SILICONE WIRE**

**PROVEN
TEAM ORION
QUALITY**

**FOR CARS,
BOATS AND
PLANES**

The new Rocket Pack 2 NiMH stick packs are equipped with the Uni Plug System. Thanks to this system the battery is compatible with all the popular connectors types, Tamiya®, Deans®, TRX® and EC3®.

1800



Runtime
Power
Rocket Pack 2 1800
ORI10350 Tamiya
ORI10356 Deans
ORI10362 TRX
ORI10368 Uni (Tamiya, Deans, TRX, EC3)

2700



Runtime
Power
Rocket Pack 2 2700
ORI10351 Tamiya
ORI10357 Deans
ORI10363 TRX
ORI10369 Uni (Tamiya, Deans, TRX, EC3)

3700



Runtime
Power
Rocket Pack 2 3700
ORI10352 Tamiya
ORI10358 Deans
ORI10364 TRX
ORI10367 Uni (Tamiya, Deans, TRX, EC3)

4200



Runtime
Power
Rocket Pack 2 4200
ORI10353 Tamiya
ORI10359 Deans
ORI10365 TRX
ORI10371 Uni (Tamiya, Deans, TRX, EC3)

4700



Runtime
Power
Rocket Pack 2 4700
ORI10354 Tamiya
ORI10360 Deans
ORI10366 TRX
ORI10372 Uni (Tamiya, Deans, TRX, EC3)

5100



Runtime
Power
Rocket Pack 2 5100
ORI10355 Tamiya
ORI10361 Deans
ORI10367 TRX
ORI10373 Uni (Tamiya, Deans, TRX, EC3)

Uni Plug System



The new Rocket Pack 2 NiMh batteries are the first to feature the Uni Plug System. This adapter makes the battery compatible with all the popular connector types. No matter the car, your battery will fit!

Optimal Charging



Easy to use, advanced technology Advantage Touch charger. This user friendly charger charges the most popular battery types quickly and efficiently. The touch interface is extremely simple to use.

MICRO BATTERIES WITH MEGA POWER

**MADE TO FIT
TRAXXAS®
CARS**

For Traxxas® 1/16 E-Revo®
VXL and 1/16 Slash® VXL



**TAKE
2**

Use two batteries for maximal
performance!

**BATTERIES
FOR MICRO CARS**

**HIGH VOLTAGE
CELLS**

**LATEST NIMH
TECHNOLOGY**

**TRX®
CONNECTOR**

**FOR TRAXXAS® 1/16
SCALE CARS AND
OTHERS**

The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector.



**1600
7.2V**



Maximal runtime

The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector. Using the Traxxas® Series Connector you can use two batteries together and achieve a voltage of 14.4V!

Features:

- Latest 1600mAh Team Orion NiMH cells
- Perfect fit inside the 1/16 E-Revo® VXL und 1/16 Slash® VXL cars
- TRX® high power connector
- High quality 16awg silicone wire
- Longer runtime
- Faster acceleration
- Higher top speed



**1300
8.4V**



Maximal power

The Supercharge NiMH batteries are specifically designed for the Traxxas® 1/16 E-Revo® VXL and 1/16 Slash® VXL cars. They use high voltage NiMH cells and are fitted with a TRX® connector. Thanks to a specially designed smaller size cells, you can now fit a 8.4V battery inside your battery compartments. This means more power and more fun!

Features:

- Special 1300mAh Team Orion NiMH cells
- Perfect fit inside the 1/16 E-Revo® VXL und 1/16 Slash® VXL cars
- TRX® high power connector
- High quality 16awg silicone wire
- Longer runtime
- Faster acceleration
- Higher top speed

7 CELL NIMH POWER FOR TRAXXAS® CARS

**MADE TO FIT
TRAXXAS®
CARS**

These batteries are designed to fit the Traxxas Rustler™, Bandit™ VXL and Slash™. But they also fit other car types.



TRX®

**NIMH
TECHNOLOGY**

**8.4V
HIGH VOLTAGE!**

**TRX®
CONNECTOR**

**7 CELL
HUMP**

**PROVEN
TEAM ORION
QUALITY**

Feel the need for more power and speed? you need a bigger battery! These are our 7 cell batteries designed for Traxxas® Rustler™, Bandit™ VXL, Slash™ and many other cars.

8.4V Hump Rocket Packs



2700

Runtime
Power

Rocket Pack Hump 8.4V 2700mAh
ORI10339



3300

Runtime
Power

Rocket Pack Hump 8.4V 3300mAh
ORI10340



4500

Runtime
Power

Rocket Pack Hump 8.4V 4500mAh
ORI10341



5100

Runtime
Power

Rocket Pack Hump 8.4V 5100mAh
ORI10342



All the Rocket Pack batteries are sold in a practical cardboard storage box.



8 CELL NIMH POWER FOR TRAXXAS® CARS

**MADE TO FIT
TRAXXAS®
CARS**

These batteries are designed to fit the Traxxas Rustler™, Bandit™ VXL and Slash™. But they also fit other car types.



**NIMH
TECHNOLOGY**

**9.6V
HIGH VOLTAGE!**

**TRX®
CONNECTOR**

**8 CELL
HUMP**

**PROVEN
TEAM ORION
QUALITY**

Thanks to another extra cell, these hump batteries reach a very high voltage, 9,6V! Even more extreme power and top speed!

9.6V Hump Rocket Packs



Rocket Pack batteries in the practical Display-Box!

2700



Runtime
Power

Rocket Pack Hump 9.6V 2700mAh
ORI10343

3300



Runtime
Power

Rocket Pack Hump 9.6V 3300mAh
ORI10344

4500



Runtime
Power

Rocket Pack Hump 9.6V 4500mAh
ORI10345



5100



Runtime
Power

Rocket Pack Hump 9.6V 5100mAh
ORI10346

RECEIVER PACKS FOR ALL APPLICATIONS!



1900mAh
1700mAh
1600mAh

SUPER HIGH
CAPACITY

STABLE
DISCHARGE
CHARACTERISTICS

HIGH
RELIABILITY

PROVEN
TEAM ORION
QUALITY

Team Orion now offers you the 1900XL receiver pack with a capacity of 1900mAh - a world's first! Marathon receiver packs are available in standard or hump configuration, with UNI or BEC connector.



1900

Runtime
Marathon 1900XL Std | BEC connector
ORI12251



1900

Runtime
Marathon 1900XL Std | UNI connector
ORI12252



1900

Runtime
Marathon 1900XL Hump | BEC connector
ORI12253



1900

Runtime
Marathon 1900XL Hump | UNI connector
ORI12254



1700

Runtime
Marathon 1700XL Std | BEC connector
ORI12241



1700

Runtime
Marathon 1700XL Std | UNI connector
ORI12242



1700

Runtime
Marathon 1700XL Hump | BEC connector
ORI12243



1700

Runtime
Marathon 1700XL Hump | UNI connector
ORI12244



1600

Runtime
Marathon 1600XL Std | BEC connector
ORI12240



1600

Runtime
Marathon 1600XL Std | UNI connector
ORI12228



1600

Runtime
Marathon 1600XL Hump | BEC connector
ORI12232



1600

Runtime
Marathon 1600XL Hump | UNI connector
ORI12227

THE NEW LIPO RECEIVER BATTERIES

NEW!



JST-XH balancing plug

**7.4V LIPO
RECEIVER
PACKS**

**MORE POWER
AND RUNTIME**

LIGHTWEIGHT

**REGULAR
SIZE**

UNI PLUG

The new LiPo Marathon 2500 receiver batteries offer maximum power and runtime for your servos. Available in hump or standard configuration and fits the most popular cars.

Marathon LiPo 7.4V



Marathon LiPo Hump RX Pack 2500 7.4V (Uni Plug),
58.5x32x31.5mm, 104g, 18.5Wh
ORI12259



Marathon LiPo Flat RX Pack 2500 7.4V (Uni Plug),
85x30x17mm, 104g, 18.5Wh
ORI12260

The new Team Orion Marathon LiPo receiver batteries are the best solution to power the radio systems on all RC cars. Thanks to the LiPo technology you get more power and longer runtimes than with NiMh batteries, empty receiver batteries and sluggish performance are a thing of the past. They come in regular size so they fit all the cars which can fit standard or hump shaped packs. A must for all serious nitro racers!

Features:

- High performance LiPo technology
- Regular size Standard and Hump configurations
- Uni plug
- High grade silicone wire
- JST-XH balancing connector



Refuelling is still a must, the Team Orion Marathon LiPo receiver packs take care of the rest!

RECHARGEABLE BATTERIES



NIMH
TECHNOLOGY

AA AND AAA
SIZE

HIGH
PERFORMANCE

PROVEN
TEAM ORION
QUALITY

FOR ALL
TYPES OF
APPLICATIONS

Team Orion's NiMH AA and AAA batteries, high performance for radio-controlled model applications but also for remote controls, MP3 players or any device that requires AA or AAA batteries.

Rechargeable NiMH Batteries

<p>Ideal for Mini-Z!</p>  <p>4x AAA</p>	 <p>4x AAA</p>	 <p>4x AAA</p>	 <p>4x AA</p>
<p>Runtime</p> <p>Power</p> <p>750SHO AAA batteries w/ plastic case ORI13206</p>	<p>Runtime</p> <p>Power</p> <p>900HV AAA batteries ORI13202</p>	<p>Runtime</p> <p>Power</p> <p>1100RT AAA batteries ORI13201</p>	<p>Runtime</p> <p>Power</p> <p>2700 AA batteries ORI13502</p>



We recommend...

			
EZ Clubman 230V ORI30400	EZ Pro-Am 230V ORI30401	EZ Pro-Am Digital 12/230V ORI30402	EZ Pro-Am Ultra Quick 12/230V ORI30403

READY TO USE AA AND AAA BATTERIES



**PRECHARGED
BATTERIES**

**RECHARGEABLE
EZ BATTERIES**

**AA AND AAA
SIZE**

**PROVEN
TEAM ORION
QUALITY**

**FOR ALL
TYPES OF
APPLICATIONS**

Team Orion also offers batteries that can be used out of the box, alkaline batteries and the rechargeable EZ batteries!

Rechargeable EZ batteries



4x AAA



EZ800 AAA Precharged Batteries
ORI13205



4x AA



EZ2100 AA Precharged Batteries
ORI13503

Alkaline batteries



4x AAA



Alkaline AAA Batteries
ORI13601



4x AA

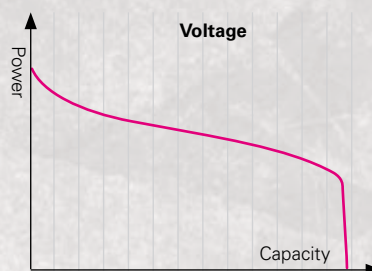


Alkaline AA Batteries
ORI13600



Practical display box

Features:



The Team Orion batteries have a very flat discharge curve. This means stable power for your devices, from the start until the end.

CRF TECHNOLOGY **COST FRIENDLY ENGINE**



**WORLD CHAMPION
CRF TECHNOLOGY**

**COST FRIENDLY
DESIGN**

**MAJOR
EVOLUTIONS**

**3 PORT
DESIGN**

**MADE FOR
1/8 BUGGY**

The world championship winning CRF technology is patented by and found only in Team Orion engines. Our nitro R&D manager Adrien Bertin and our racing team continuously test new designs to make sure we keep an edge over the competition.



ORI80690 CRF 3 port Racing Team Buggy

CRF 3 port 3.5ccm Racing Team Buggy

Specs	CRF 3 port Racing Team Buggy
Part#	ORI80690
Type	2 stroke
Displacement	3.5cc
Bore	16.2mm
Stroke	16.9mm
Weight	350g
RPM	35'000
HP	2.7
Front Bearing	7x19x6mm Swiss
Rear Bearing	14.2x25.3x6.3mm Ceramic
Liner	ABC Precision Liner
Ports	5
Carburetor	2 needle aluminum carburetor
Crankshaft	patented SG type crankshaft

CRF Technology and high quality components at an entry level price. This is the CRF 3 port Team Buggy engine, fast, reliable and easy to tune!

The patented CRF technology (EP 1 787 018) was created by inventor Fabrice Ramella and is in constant evolution thanks to Adrien Bertin. The main difference with standard engines resides in the crankshaft design:

1. Turbo-Effect thanks to the angled crankshaft port. 2. Reduced back plate mixture bouncing. Fresh fuel mixture is distributed around the backplate instead of bouncing against it. 3. Acceleration and throttle response is improved thanks to the slots which recover stagnating fuel mixture.

Features

- World championship winning technology
- Latest version with major evolutions
- High grade components
- 3 ports design
- Steel bearings
- Friendly price
- Designed for 1/8 buggy

WORLD CHAMPION OFF-ROAD ENGINES



**WORLD CHAMPION
CRF TECHNOLOGY**

**BUGGY 3 OR 5 PORTS
TRUGGY 5 PORTS
VERSIONS**

**CERAMIC
BEARING**

**FACTORY
TUNED PARTS**

**MADE FOR
1/8 BUGGY
AND TRUGGY**

The world champion CRF engine has gotten even better. Throughout 2011 our team has been busy improving the CRF engine and the 2012 Factory Tuned engines are the result.

CRF 3 port 3.5ccm Factory Tuned Buggy

- 3 port buggy engine
- Factory Tuned



CRF 3 port Factory Tuned Buggy 3.5ccm
ORI80691

CRF 5 port 3.5ccm Factory Tuned Buggy

- 5 port buggy engine
- Factory Tuned



CRF 5 port Factory Tuned Buggy 3.5ccm
ORI80692

CRF T522 3.6ccm Factory Tuned Truggy

- 5 port truggy engine
- Factory Tuned



CRF T522 Factory Tuned Truggy 3.6ccm
ORI80693

Features

- World champion
- National champion
- Latest version with major evolutions
- New crankcase with stronger design
- New piston/liner with new piston material for improved power and durability
- New, light weight crankshaft design for improved RPM
- Factory tuned parts for optimized mixture flow
- 3 port version for smooth power and best run-times
- 5 port version for maximum power
- 5 port .22 size truggy version
- High grade components
- Rear ceramic bearing
- Double sealed front Swiss bearing
- New carburetor for improved tunability
- Made in Italy

Specs	CRF 3 port Factory Tuned Buggy	CRF 5 port Factory Tuned Buggy	CRF B522 Factory Tuned Truggy
Part#	ORI80691	ORI80692	ORI80693
Type	2 stroke	2 stroke	2 stroke
Displacement	3.5cc	3.5cc	3.6cc
Bore	16.2mm	16.2mm	16.3mm
Stroke	16.9mm	16.9mm	17.1mm
Weight	350g	350g	350g
RPM	35'000	36'000	36'000
HP	2.7	2.8	2.8
Front Bearing	7x19x6mm Swiss	7x19x6mm Swiss	7x19x6mm Swiss
Rear Bearing	14.2x25.3x6.3mm Ceramic	14.2x25.3x6.3mm Ceramic	14.2x25.3x6.3mm Ceramic
Liner	ABC	ABC	ABC
Ports	3	5	5
Carburetor	2 needle aluminum carburetor	2 needle aluminum carburetor	2 needle aluminum carburetor
Crankshaft	patented SG type crankshaft	patented SG type crankshaft	patented SG type crankshaft

COMPETITION ON-ROAD ENGINES



**HIGH END
RACING ENGINES**

**NEW
R12 VERSION**

**MAJOR
EVOLUTIONS**

**FACTORY
TUNED**

**CERAMIC
BEARING**

Adrien Bertin is a two times on-road world champion, he knows that on-road racing pushes engines to the limit and that it's a great platform for engine development.

CRF R12 evo 2.11ccm Factory Tuned On-Road

- 1/10 On-Road Engine
- Factory Tuned



CRF R12 Factory Tuned On-Road 2.11ccm
ORI180689

CRF R21 3.5ccm Factory Tuned On-Road

- 1/8 On-Road Engine
- Factory Tuned



CRF R21 Factory Tuned On-Road 3.5ccm
ORI180688

For 2013 we have two new on-road engine. Our R&D team has been busy throughout the year testing and improving all the aspects of the engines. The result is 2012 spec engines built using new components offering a vast array of improvement over 2011 engines. Better performance, better tuneability, better stability, the 2012 engines have it all.



ABC insert of the CRF R21 on-road engine



The crankshaft of the CRF R12 engine

Features

- National champion
- Latest version with major evolutions
- Meets 2013 regulations
- New crankcase with stronger design
- New piston/liner with new piston material for improved power and durability
- Latest case alloy technology
- New, light weight crankshaft design for improved RPM
- Factory tuned parts for optimized mixture flow
- High grade components
- Rear ceramic bearing
- New carburetor for improved tunability
- Made in Italy

Specs	CRF R12 Factory Tuned On-Road	CRF R21 Factory Tuned On-Road
Type	2 stroke	2 stroke
Displacement	2.11cc	3.5cc
Bore	13.7	16.2
Stroke	13.8	16.9
Weight	227g	340g
RPM	39'500	39'500
HP	1.7	2.9
Front Bearing	Swiss	7x19x6mm Swiss
Rear Bearing	Ceramic	14.2x25.3x6.3mm Ceramic
Liner	ABC	ABC
Ports	3	7
Carburetor	2 needle aluminum carburetor	2 needle aluminum carburetor
Crankshaft	SG Balanced	SG Balanced

STARTER BOX PRO 2. THE EVOLUTION.



**NEW 775 SIZE
MOTORS OPTIMIZED
FOR LIPO**

**NEW
SWITCHING
SYSTEM**

**NEW UNIVERSAL
BATTERY HOLDER**

**FOR OFF-ROAD AND
ON-ROAD CARS**

**ROBUST AND
LONG LIFE
CONSTRUCTION**

Our popular starter boxes have evolved, new lipo optimized motors, new switching system, new universal battery holder, a wide range of improvements that make a good product even better.

Starter Box Race 2



Off-Road Race 2 Starter Box
ORI88954

Features

- Robust plastic case
- New 775 size motors optimized for LiPo
- New universal battery holder fits all battery types
- New improved switching system
- For On-Road and Off-Road cars
- Long life components
- Race tested

Starter Box Pro 2



Off-Road Pro 2 Starter Box
ORI88955

Features

- High end metal case
- New 775 size motors optimized for LiPo
- New universal battery holder fits all battery types
- New improved switching system
- For On-Road and Off-Road cars
- Long life components
- Race tested

NiMH Stick



LiPo Stick



LiPo Square



LiPo Glow - the best tool for starting your engines!



The new LiPo Glow plug igniter uses a LiPo battery as a power source, this offers several advantages over NiMH batteries.

- Optimal power output thanks to the integrated power regulator (no voltage drop).
- Very low self-discharge, the igniter does not discharge by itself when it's not in use.
- Status LED indicates igniter and glow plug status.

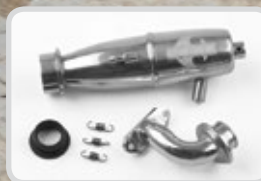
LiPo-Glow w/charger:
ORI88940 EU-220V, ORI88941 UK-220V, ORI88942 USA/Jp-110V
LiPo-Glow only: ORI88943 LiPo-Glow

The new starter boxes are compatible with round or square case NiMH and LiPo batteries. The switching system has been redesigned to ensure maximum reliability.

TUNING FOR RTR CARS!



Make your RTR car
go like a race car!



MORE SPEED
MORE POWER
MORE FUN

HIGH
PERFORMANCE

POLISHED
FINISH

GREAT PRICE

DESIGN BY
ADRIEN BERTIN

Tune your car with a Team Orion tuned pipe set. These tuned pipe sets fit directly on your car without requiring any modifications. Release the full potential of your car!

These high performance tuned pipe sets will greatly improve your car's performance. They are built with the same materials and quality than our racing tuned pipe sets, in-line manifold attachment, polished finish and laser engraving. With these tuned pipes, your car will have a higher top speed and more torque. These sets fit directly on your car without modifications and include all the hardware you need to install the new tuned pipe.

Features

- Great performance upgrade
- Quality materials and manufacturing
- Polished finish like racing pipes
- Installation hardware included
- Designed by Adrien Bertin

For Kyosho Inferno 7.5 Sport/GT



Inferno 7.5 Sport/GT
In-Line Set
ORI88015

For Kyosho Fazer



Fazer In-Line Set
ORI88014

For Kyosho DBX/DST



DBX/DST In-Line Set
ORI88013

GLOW PLUGS FOR ALL ENGINE TYPES



**PLATINUM
COIL**

**FOR CARS, BOATS
HELICOPTERS
AND PLANES**

**STANDARD
AND
TURBO TYPE**

**HIGH
PERFORMANCE**

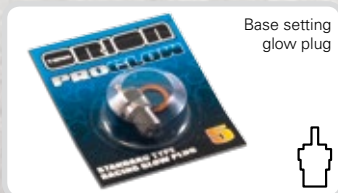
**DESIGNED
BY A. BERTIN**

Team Orion Proglow Glow Plugs are specifically designed for the requirements of todays engines. Wether you have a car, a boat, a plane or a helicopter, there is a Proglow glow plug that will fit your needs.

Standard glow plugs for cars, boats, airplanes and helicopters



Standard 4
ORI88850



Standard 5
ORI88851



Standard 6
ORI88852



Standard 7
ORI88853

Turbo On-Road specific glow plugs



Turbo On-Road 6
ORI88857



Turbo On-Road 7
ORI88858

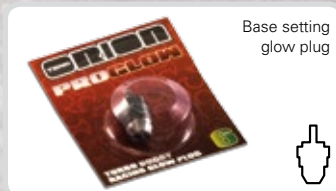


Turbo On-Road 8
ORI88859

Turbo Off-Road specific glow plugs



Turbo Off-Road 5
ORI88854



Turbo Off-Road 6
ORI88855



Turbo Off-Road 7
ORI88856

ProGlow Buggy Nr. 4



ORI88860 ProGlow No 4

The new N°4 glow plug is our hotter off-road plug. This plug helps the engine to run more reliably even if the engine tuning or fuel quality are not perfect.

HIGH QUALITY SILICONE OIL



**CONSISTENT
VISCOSITY**

**PRACTICAL
60ML BOTTLE**

**WIDE RANGE
FOR SHOCKS
AND FOR DIFFS**

**100% PURE
SILICONE OIL**

**PROVEN
TEAM ORION
QUALITY**



#100 | #10
ORI44400



#150 | #15
ORI44401



#200 | #20
ORI44402



#250 | #25
ORI44403



#300 | #30
ORI44404



#350 | #35
ORI44405



#400 | #40
ORI44406



#450 | #45
ORI44407



#500 | #50
ORI44408



#550 | #55
ORI44409



#600 | #60
ORI44410



#700 | #70
ORI44411



#800 | #80
ORI44412



#900 | #90
ORI44413



#1'000 | #100
ORI44414



#2'000 | #200
ORI44415



#3'000 | #300
ORI44416



#4'000 | #400
ORI44417



#5'000 | #500
ORI44418



#6'000 | #600
ORI44419



#7'000 | #700
ORI44420



#8'000 | #800
ORI44421



#10'000 | #1'000
ORI44422



#15'000 | #1'500
ORI44423



#20'000 | #2'000
ORI44424



#30'000 | #3'000
ORI44425



#50'000 | #5'000
ORI44426



#100'000 | #10'000
ORI44427

The Team Orion Victory Fluid offers you a wide range of silicone oils for shocks and diffs. The 100% pure silicone blend ensures stability in a wide range of temperature and applications.

Victory Fluid

- 100% pure silicone oil
- 60ml practical bottle with easy dispenser
- Viscosities from #100 (soft) to #900 (hard) for use shock absorbers
- Viscosities from #1000 (soft) to #100'000 (hard) for use in gear differentials
- Easy to read viscosity indication
- #100 to #600 recommended for Off-Road and On-Road cars
- #700 to #900 recommended for On-Road cars
- #1'000 to #20'000 recommended for Off-Road differentials
- #20'000 to #100'000 recommended for On-Road differentials

SUPER FAST SUPER GLUE



**VARIOUS
FORMULAS
FOR SPECIFIC USES**

**FAST AND
SECURE**

**PRACTICAL
TAP**

**ODORLESS TYPE
ALSO
AVAILABLE**

**TEAM ORION
QUALITY**

Team Orion selection of Instant Glues fulfill all the hobbyists requirements. Whether you have to glue tires, plastic or wood, we have the glue for you.

Ideal for RC Car Tires



Lockdown Thin
1/2oz/14,2g
ORI42100



Lockdown Thin
1oz/28,4g
ORI42101



Lockdown Thick
1/2oz/14,2g
ORI42102



Lockdown Thick
1oz/28,4g
ORI42103

Special



Odorless
1/2oz/14,2g
ORI42116



Blast Activator
2oz/56,8g
ORI42120



D-Fuse Debonder
2oz/28,4g
ORI42121

For General Use



Quickfix Thin
1/2oz/14,2g
ORI42110



Quickfix Thin
1oz/28,4g
ORI42111



Quickfix Medium
1/2oz/14,2g
ORI42112



Quickfix Medium
1oz/28,4g
ORI42113



Quickfix Thick
1/2oz/14,2g
ORI42114



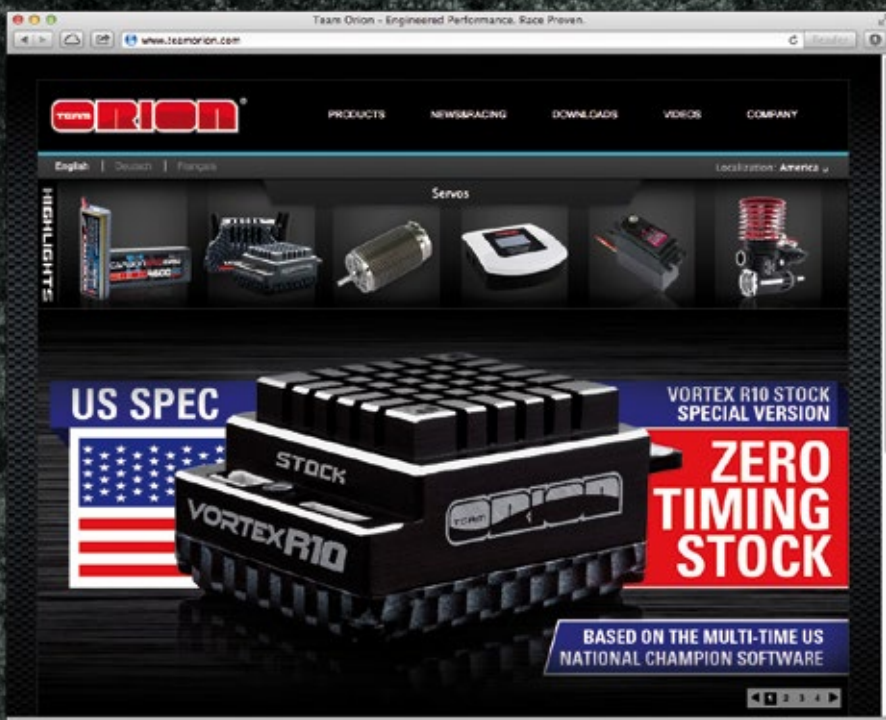
Quickfix Thick
1oz/28,4g
ORI42115



RACE PROVEN!

13 WORLD CHAMPIONSHIP TITLES

- ★ 2012 Netherlands Jilles Groeskamp 1/10 Touring, Motor, Batteries, ESC, Charger
- ★ 2011 Finland Ryan Cavalieri 1/10 Buggy 4WD, Motor, Batteries
- ★ 2011 Finland Ryan Cavalieri 1/10 Buggy 2WD, Motor, Batteries
- ★ 2010 Thailand Cody King 1/8 Buggy, CRF Engines
- ★ 2006 Italy Andy Moore 1/10 Touring V2 Motor, Batteries
- ★ 2004 USA Marc Rheinard 1/10 Touring V2 Motor, Batteries
- ★ 2001 South Africa Jukka Steenari 1/10 Buggy 4WD Motor, Batteries
- ★ 1999 Finland Jukka Steenari 1/10 Buggy 4WD Motor, Batteries
- ★ 1996 USA Mike Swauger 1/10 On-Road, Batteries
- ★ 1995 Japan Matt Francis 1/10 Buggy 2WD, Batteries
- ★ 1995 Japan Mark Pavidis 1/10 Buggy 4WD, Batteries
- ★ 1994 Germany Masami Hirotsuka 1/10 On-Road, Receiver Batteries
- ★ 1994 France David Spashett 1/12th On-Road, Batteries



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Check out great Team Orion videos:
www.youtube.com/teamorioncom

The Team Orion started 26 years ago. Originally Team Orion was a battery matching company, providing drivers all over the world with the best quality matched batteries on the market. 26 years and 13 world championship titles later, Team Orion has grown to be a company offering a wide array of products, powering electric and nitro cars alike.

Passion, quality and performance are three words that stand at the heart of the Team Orion brand. Our R&D team is constantly working on new designs and this shows in all of our products. Whether you are a racer or a just someone who enjoys running RC cars for fun, you are sure to find a Team Orion quality product that satisfies your needs. Team Orion means world champion technology and performance from every one of our products.

Team Orion - 26 years of success

Your local dealer:

Team Orion Europe SA • 31 Chemin du Pré-Fleuri • CH-1228 Plan-les-Ouates • Switzerland
Tel: +41-22-706-18-60 • Fax: +41-22-757-41-86 • www.teamorion.com

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